




|   |  |                          |                     |            |
|---|--|--------------------------|---------------------|------------|
| <h1 style="text-align: center;">FEE TRANSMITTAL</h1> <h2 style="text-align: center;">for FY 2001</h2> <p style="text-align: center;"><i>Patent fees are subject to annual revision.</i></p> |  | <b>Complete if Known</b> |                     |            |
|   |  | Express Mail No          | EL773169681US       |            |
|   |  | Filing Date              | July 20, 2001       |            |
|   |  | First Named Inventor     | Gregory S. Francis  |            |
|   |  | Examiner Name            |                     |            |
|   |  | Group Art Unit           |                     |            |
| TOTAL AMOUNT OF PAYMENT (\$)  |  | 836                      | Attorney Docket No. | 920070.406 |

| <b>METHOD OF PAYMENT</b><br>1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:<br>Deposit Account Number: <b>21-0380</b><br>Deposit Account Name: <b>Seed Intellectual Property Law Group PLLC</b><br><input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17 and credit any overpayment to Deposit Account Number above.<br><input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27  |              | <b>FEE CALCULATION (continued)</b><br><b>3. ADDITIONAL FEES</b><br><table border="1"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small</th> <th rowspan="2">Fee Description</th> <th rowspan="2">Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr><td>105</td><td>130</td><td>205</td><td>65</td><td>Surcharge - late filing fee or oath</td><td></td></tr> <tr><td>127</td><td>50</td><td>227</td><td>25</td><td>Surcharge - late provisional filing fee or cover sheet</td><td></td></tr> <tr><td>139</td><td>130</td><td>139</td><td>130</td><td>Non-English specification</td><td></td></tr> <tr><td>147</td><td>2,520</td><td>147</td><td>2,520</td><td>For filing a request for <i>ex parte</i> reexamination</td><td></td></tr> <tr><td>112</td><td>920*</td><td>112</td><td>920*</td><td>Requesting publication of SIR prior to Examiner action</td><td></td></tr> <tr><td>113</td><td>1,840*</td><td>113</td><td>1,840*</td><td>Requesting publication of SIR after Examiner action</td><td></td></tr> <tr><td>115</td><td>110</td><td>215</td><td>55</td><td>Extension for reply within first month</td><td></td></tr> <tr><td>116</td><td>390</td><td>216</td><td>195</td><td>Extension for reply within second month</td><td></td></tr> <tr><td>117</td><td>890</td><td>217</td><td>445</td><td>Extension for reply within third month</td><td></td></tr> <tr><td>118</td><td>1,390</td><td>218</td><td>695</td><td>Extension for reply within fourth month</td><td></td></tr> <tr><td>128</td><td>1,890</td><td>228</td><td>945</td><td>Extension for reply within fifth month</td><td></td></tr> <tr><td>119</td><td>310</td><td>219</td><td>155</td><td>Notice of Appeal</td><td></td></tr> <tr><td>120</td><td>310</td><td>220</td><td>155</td><td>Filing a brief in support of an appeal</td><td></td></tr> <tr><td>121</td><td>270</td><td>221</td><td>135</td><td>Request for oral hearing</td><td></td></tr> <tr><td>138</td><td>1,510</td><td>138</td><td>1,510</td><td>Petition to institute a public use proceeding</td><td></td></tr> <tr><td>140</td><td>110</td><td>240</td><td>55</td><td>Petition to revive - unavoidable</td><td></td></tr> <tr><td>141</td><td>1,240</td><td>241</td><td>620</td><td>Petition to revive - unintentional</td><td></td></tr> <tr><td>142</td><td>1,240</td><td>242</td><td>620</td><td>Utility issue fee (or reissue)</td><td></td></tr> <tr><td>143</td><td>440</td><td>243</td><td>220</td><td>Design issue fee</td><td></td></tr> <tr><td>144</td><td>600</td><td>244</td><td>300</td><td>Plant issue fee</td><td></td></tr> <tr><td>122</td><td>130</td><td>122</td><td>130</td><td>Petitions to the Commissioner</td><td></td></tr> <tr><td>123</td><td>130</td><td>123</td><td>130</td><td>Petitions related to provisional applications</td><td></td></tr> <tr><td>126</td><td>180</td><td>126</td><td>180</td><td>Submission of Information Disclosure Stmt</td><td></td></tr> <tr><td>581</td><td>40</td><td>581</td><td>40</td><td>Recording each patent assignment per property (times number of properties)</td><td></td></tr> <tr><td>146</td><td>710</td><td>246</td><td>355</td><td>Filing a submission after final rejection (37 CFR § 1.129(a))</td><td></td></tr> <tr><td>149</td><td>710</td><td>249</td><td>355</td><td>For each additional invention to be examined (37 CFR § 1.129(b))</td><td></td></tr> <tr><td>179</td><td>710</td><td>279</td><td>355</td><td>Request for Continued Examination (RCE)</td><td></td></tr> <tr><td>169</td><td>900</td><td>169</td><td>900</td><td>Request for expedited examination of a design application</td><td></td></tr> </tbody> </table> |          | Large Entity   |                 | Small           |          | Fee Description | Fee Paid | Fee Code | Fee (\$) | Fee Code | Fee (\$) | 105 | 130 | 205                    | 65  | Surcharge - late filing fee or oath |     | 127 | 50  | 227                               | 25 | Surcharge - late provisional filing fee or cover sheet |     | 139 | 130 | 139                                   | 130 | Non-English specification |     | 147 | 2,520 | 147  | 2,520 | For filing a request for <i>ex parte</i> reexamination |     | 112 | 920* | 112  | 920* | Requesting publication of SIR prior to Examiner action |  | 113 | 1,840* | 113 | 1,840*          | Requesting publication of SIR after Examiner action   |  | 115          | 110          | 215            | 55       | Extension for reply within first month |           | 116 | 390 | 216 | 195      | Extension for reply within second month |   | 117                | 890 | 217 | 445 | Extension for reply within third month |  | 118 | 1,390 | 218 | 695 | Extension for reply within fourth month |  | 128 | 1,890 | 228 | 945 | Extension for reply within fifth month |  | 119 | 310 | 219 | 155 | Notice of Appeal |  | 120 | 310 | 220 | 155 | Filing a brief in support of an appeal |  | 121 | 270 | 221 | 135 | Request for oral hearing |  | 138 | 1,510 | 138 | 1,510 | Petition to institute a public use proceeding |  | 140 | 110 | 240 | 55 | Petition to revive - unavoidable |  | 141 | 1,240 | 241 | 620 | Petition to revive - unintentional |  | 142 | 1,240 | 242 | 620 | Utility issue fee (or reissue) |  | 143 | 440 | 243 | 220 | Design issue fee |  | 144 | 600 | 244 | 300 | Plant issue fee |  | 122 | 130 | 122 | 130 | Petitions to the Commissioner |  | 123 | 130 | 123 | 130 | Petitions related to provisional applications |  | 126 | 180 | 126 | 180 | Submission of Information Disclosure Stmt |  | 581 | 40 | 581 | 40 | Recording each patent assignment per property (times number of properties) |  | 146 | 710 | 246 | 355 | Filing a submission after final rejection (37 CFR § 1.129(a)) |  | 149 | 710 | 249 | 355 | For each additional invention to be examined (37 CFR § 1.129(b)) |  | 179 | 710 | 279 | 355 | Request for Continued Examination (RCE) |  | 169 | 900 | 169 | 900 | Request for expedited examination of a design application |  |
|---|--------------|--|----------|--|-----------------|-----------------|----------|-----------------|----------|----------|----------|----------|----------|-----|-----|------------------------|-----|-------------------------------------|-----|-----|-----|-----------------------------------|----|--|-----|-----|-----|---------------------------------------|-----|---------------------------|-----|-----|-------|--|-------|--|-----|-----|------|--|------|--|--|-----|--------|-----|-----------------|---|--|--------------|--------------|----------------|----------|--|-----------|-----|-----|-----|----------|---|---|--------------------|-----|-----|-----|--|--|-----|-------|-----|-----|---|--|-----|-------|-----|-----|--|--|-----|-----|-----|-----|------------------|--|-----|-----|-----|-----|--|--|-----|-----|-----|-----|--------------------------|--|-----|-------|-----|-------|---|--|-----|-----|-----|----|----------------------------------|--|-----|-------|-----|-----|------------------------------------|--|-----|-------|-----|-----|--------------------------------|--|-----|-----|-----|-----|------------------|--|-----|-----|-----|-----|-----------------|--|-----|-----|-----|-----|-------------------------------|--|-----|-----|-----|-----|---|--|-----|-----|-----|-----|---|--|-----|----|-----|----|--|--|-----|-----|-----|-----|---|--|-----|-----|-----|-----|--|--|-----|-----|-----|-----|---|--|-----|-----|-----|-----|---|--|
| Large Entity  |              | Small  |          | Fee Description  | Fee Paid        |                 |          |                 |          |          |          |          |          |     |     |                        |     |                                     |     |     |     |                                   |    |  |     |     |     |                                       |     |                           |     |     |       |  |       |  |     |     |      |  |      |  |  |     |        |     |                 |   |  |              |              |                |          |  |           |     |     |     |          |   |   |                    |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |     |     |     |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| Fee Code  | Fee (\$)     | Fee Code   | Fee (\$) |  |                 |                 |          |                 |          |          |          |          |          |     |     |                        |     |                                     |     |     |     |                                   |    |  |     |     |     |                                       |     |                           |     |     |       |  |       |  |     |     |      |  |      |  |  |     |        |     |                 |   |  |              |              |                |          |  |           |     |     |     |          |   |   |                    |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |     |     |     |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 105   | 130          | 205  | 65       | Surcharge - late filing fee or oath  |                 |                 |          |                 |          |          |          |          |          |     |     |                        |     |                                     |     |     |     |                                   |    |  |     |     |     |                                       |     |                           |     |     |       |  |       |  |     |     |      |  |      |  |  |     |        |     |                 |   |  |              |              |                |          |  |           |     |     |     |          |   |   |                    |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |     |     |     |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 127   | 50           | 227  | 25       | Surcharge - late provisional filing fee or cover sheet                     |                 |                 |          |                 |          |          |          |          |          |     |     |                        |     |                                     |     |     |     |                                   |    |  |     |     |     |                                       |     |                           |     |     |       |  |       |  |     |     |      |  |      |  |  |     |        |     |                 |   |  |              |              |                |          |  |           |     |     |     |          |   |   |                    |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |     |     |     |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 139   | 130          | 139  | 130      | Non-English specification  |                 |                 |          |                 |          |          |          |          |          |     |     |                        |     |                                     |     |     |     |                                   |    |  |     |     |     |                                       |     |                           |     |     |       |  |       |  |     |     |      |  |      |  |  |     |        |     |                 |   |  |              |              |                |          |  |           |     |     |     |          |   |   |                    |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |     |     |     |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 147   | 2,520        | 147  | 2,520    | For filing a request for <i>ex parte</i> reexamination                     |                 |                 |          |                 |          |          |          |          |          |     |     |                        |     |                                     |     |     |     |                                   |    |  |     |     |     |                                       |     |                           |     |     |       |  |       |  |     |     |      |  |      |  |  |     |        |     |                 |   |  |              |              |                |          |  |           |     |     |     |          |   |   |                    |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |     |     |     |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 112   | 920*         | 112  | 920*     | Requesting publication of SIR prior to Examiner action                     |                 |                 |          |                 |          |          |          |          |          |     |     |                        |     |                                     |     |     |     |                                   |    |  |     |     |     |                                       |     |                           |     |     |       |  |       |  |     |     |      |  |      |  |  |     |        |     |                 |   |  |              |              |                |          |  |           |     |     |     |          |   |   |                    |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |     |     |     |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 113   | 1,840*       | 113  | 1,840*   | Requesting publication of SIR after Examiner action                        |                 |                 |          |                 |          |          |          |          |          |     |     |                        |     |                                     |     |     |     |                                   |    |  |     |     |     |                                       |     |                           |     |     |       |  |       |  |     |     |      |  |      |  |  |     |        |     |                 |   |  |              |              |                |          |  |           |     |     |     |          |   |   |                    |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |     |     |     |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 115   | 110          | 215  | 55       | Extension for reply within first month                                     |                 |                 |          |                 |          |          |          |          |          |     |     |                        |     |                                     |     |     |     |                                   |    |  |     |     |     |                                       |     |                           |     |     |       |  |       |  |     |     |      |  |      |  |  |     |        |     |                 |   |  |              |              |                |          |  |           |     |     |     |          |   |   |                    |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |     |     |     |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 116   | 390          | 216  | 195      | Extension for reply within second month                                    |                 |                 |          |                 |          |          |          |          |          |     |     |                        |     |                                     |     |     |     |                                   |    |  |     |     |     |                                       |     |                           |     |     |       |  |       |  |     |     |      |  |      |  |  |     |        |     |                 |   |  |              |              |                |          |  |           |     |     |     |          |   |   |                    |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |     |     |     |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 117   | 890          | 217  | 445      | Extension for reply within third month                                     |                 |                 |          |                 |          |          |          |          |          |     |     |                        |     |                                     |     |     |     |                                   |    |  |     |     |     |                                       |     |                           |     |     |       |  |       |  |     |     |      |  |      |  |  |     |        |     |                 |   |  |              |              |                |          |  |           |     |     |     |          |   |   |                    |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |     |     |     |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 118   | 1,390        | 218  | 695      | Extension for reply within fourth month                                    |                 |                 |          |                 |          |          |          |          |          |     |     |                        |     |                                     |     |     |     |                                   |    |  |     |     |     |                                       |     |                           |     |     |       |  |       |  |     |     |      |  |      |  |  |     |        |     |                 |   |  |              |              |                |          |  |           |     |     |     |          |   |   |                    |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |     |     |     |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 128   | 1,890        | 228  | 945      | Extension for reply within fifth month                                     |                 |                 |          |                 |          |          |          |          |          |     |     |                        |     |                                     |     |     |     |                                   |    |  |     |     |     |                                       |     |                           |     |     |       |  |       |  |     |     |      |  |      |  |  |     |        |     |                 |   |  |              |              |                |          |  |           |     |     |     |          |   |   |                    |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |     |     |     |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 119   | 310          | 219  | 155      | Notice of Appeal   |                 |                 |          |                 |          |          |          |          |          |     |     |                        |     |                                     |     |     |     |                                   |    |  |     |     |     |                                       |     |                           |     |     |       |  |       |  |     |     |      |  |      |  |  |     |        |     |                 |   |  |              |              |                |          |  |           |     |     |     |          |   |   |                    |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |     |     |     |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 120   | 310          | 220  | 155      | Filing a brief in support of an appeal                                     |                 |                 |          |                 |          |          |          |          |          |     |     |                        |     |                                     |     |     |     |                                   |    |  |     |     |     |                                       |     |                           |     |     |       |  |       |  |     |     |      |  |      |  |  |     |        |     |                 |   |  |              |              |                |          |  |           |     |     |     |          |   |   |                    |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |     |     |     |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 121   | 270          | 221  | 135      | Request for oral hearing   |                 |                 |          |                 |          |          |          |          |          |     |     |                        |     |                                     |     |     |     |                                   |    |  |     |     |     |                                       |     |                           |     |     |       |  |       |  |     |     |      |  |      |  |  |     |        |     |                 |   |  |              |              |                |          |  |           |     |     |     |          |   |   |                    |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |     |     |     |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 138   | 1,510        | 138  | 1,510    | Petition to institute a public use proceeding                              |                 |                 |          |                 |          |          |          |          |          |     |     |                        |     |                                     |     |     |     |                                   |    |  |     |     |     |                                       |     |                           |     |     |       |  |       |  |     |     |      |  |      |  |  |     |        |     |                 |   |  |              |              |                |          |  |           |     |     |     |          |   |   |                    |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |     |     |     |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 140   | 110          | 240  | 55       | Petition to revive - unavoidable   |                 |                 |          |                 |          |          |          |          |          |     |     |                        |     |                                     |     |     |     |                                   |    |  |     |     |     |                                       |     |                           |     |     |       |  |       |  |     |     |      |  |      |  |  |     |        |     |                 |   |  |              |              |                |          |  |           |     |     |     |          |   |   |                    |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |     |     |     |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 141   | 1,240        | 241  | 620      | Petition to revive - unintentional   |                 |                 |          |                 |          |          |          |          |          |     |     |                        |     |                                     |     |     |     |                                   |    |  |     |     |     |                                       |     |                           |     |     |       |  |       |  |     |     |      |  |      |  |  |     |        |     |                 |   |  |              |              |                |          |  |           |     |     |     |          |   |   |                    |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |     |     |     |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 142   | 1,240        | 242  | 620      | Utility issue fee (or reissue)   |                 |                 |          |                 |          |          |          |          |          |     |     |                        |     |                                     |     |     |     |                                   |    |  |     |     |     |                                       |     |                           |     |     |       |  |       |  |     |     |      |  |      |  |  |     |        |     |                 |   |  |              |              |                |          |  |           |     |     |     |          |   |   |                    |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |     |     |     |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 143   | 440          | 243  | 220      | Design issue fee   |                 |                 |          |                 |          |          |          |          |          |     |     |                        |     |                                     |     |     |     |                                   |    |  |     |     |     |                                       |     |                           |     |     |       |  |       |  |     |     |      |  |      |  |  |     |        |     |                 |   |  |              |              |                |          |  |           |     |     |     |          |   |   |                    |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |     |     |     |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 144   | 600          | 244  | 300      | Plant issue fee  |                 |                 |          |                 |          |          |          |          |          |     |     |                        |     |                                     |     |     |     |                                   |    |  |     |     |     |                                       |     |                           |     |     |       |  |       |  |     |     |      |  |      |  |  |     |        |     |                 |   |  |              |              |                |          |  |           |     |     |     |          |   |   |                    |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |     |     |     |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 122   | 130          | 122  | 130      | Petitions to the Commissioner  |                 |                 |          |                 |          |          |          |          |          |     |     |                        |     |                                     |     |     |     |                                   |    |  |     |     |     |                                       |     |                           |     |     |       |  |       |  |     |     |      |  |      |  |  |     |        |     |                 |   |  |              |              |                |          |  |           |     |     |     |          |   |   |                    |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |     |     |     |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 123   | 130          | 123  | 130      | Petitions related to provisional applications                              |                 |                 |          |                 |          |          |          |          |          |     |     |                        |     |                                     |     |     |     |                                   |    |  |     |     |     |                                       |     |                           |     |     |       |  |       |  |     |     |      |  |      |  |  |     |        |     |                 |   |  |              |              |                |          |  |           |     |     |     |          |   |   |                    |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |     |     |     |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 126   | 180          | 126  | 180      | Submission of Information Disclosure Stmt                                  |                 |                 |          |                 |          |          |          |          |          |     |     |                        |     |                                     |     |     |     |                                   |    |  |     |     |     |                                       |     |                           |     |     |       |  |       |  |     |     |      |  |      |  |  |     |        |     |                 |   |  |              |              |                |          |  |           |     |     |     |          |   |   |                    |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |     |     |     |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 581   | 40           | 581  | 40       | Recording each patent assignment per property (times number of properties) |                 |                 |          |                 |          |          |          |          |          |     |     |                        |     |                                     |     |     |     |                                   |    |  |     |     |     |                                       |     |                           |     |     |       |  |       |  |     |     |      |  |      |  |  |     |        |     |                 |   |  |              |              |                |          |  |           |     |     |     |          |   |   |                    |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |     |     |     |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 146   | 710          | 246  | 355      | Filing a submission after final rejection (37 CFR § 1.129(a))              |                 |                 |          |                 |          |          |          |          |          |     |     |                        |     |                                     |     |     |     |                                   |    |  |     |     |     |                                       |     |                           |     |     |       |  |       |  |     |     |      |  |      |  |  |     |        |     |                 |   |  |              |              |                |          |  |           |     |     |     |          |   |   |                    |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |     |     |     |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 149   | 710          | 249  | 355      | For each additional invention to be examined (37 CFR § 1.129(b))           |                 |                 |          |                 |          |          |          |          |          |     |     |                        |     |                                     |     |     |     |                                   |    |  |     |     |     |                                       |     |                           |     |     |       |  |       |  |     |     |      |  |      |  |  |     |        |     |                 |   |  |              |              |                |          |  |           |     |     |     |          |   |   |                    |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |     |     |     |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 179   | 710          | 279  | 355      | Request for Continued Examination (RCE)                                    |                 |                 |          |                 |          |          |          |          |          |     |     |                        |     |                                     |     |     |     |                                   |    |  |     |     |     |                                       |     |                           |     |     |       |  |       |  |     |     |      |  |      |  |  |     |        |     |                 |   |  |              |              |                |          |  |           |     |     |     |          |   |   |                    |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |     |     |     |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 169   | 900          | 169  | 900      | Request for expedited examination of a design application                  |                 |                 |          |                 |          |          |          |          |          |     |     |                        |     |                                     |     |     |     |                                   |    |  |     |     |     |                                       |     |                           |     |     |       |  |       |  |     |     |      |  |      |  |  |     |        |     |                 |   |  |              |              |                |          |  |           |     |     |     |          |   |   |                    |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |     |     |     |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| <b>FEE CALCULATION</b><br><b>1. BASIC FILING FEE</b><br><table border="1"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Description</th> <th rowspan="2">Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr><td>101</td><td>710</td><td>201</td><td>355</td><td>Utility filing fee</td><td>710</td></tr> <tr><td>106</td><td>320</td><td>206</td><td>160</td><td>Design filing fee</td><td></td></tr> <tr><td>107</td><td>490</td><td>207</td><td>245</td><td>Plant filing fee</td><td></td></tr> <tr><td>108</td><td>710</td><td>208</td><td>355</td><td>Reissue filing fee</td><td></td></tr> <tr><td>114</td><td>150</td><td>214</td><td>75</td><td>Provisional filing fee</td><td></td></tr> <tr><td colspan="5" style="text-align: right;"><b>SUBTOTAL (1)</b></td><td><b>(\$ 710)</b></td></tr> </tbody> </table>  |              | Large Entity   |          | Small Entity   |                 | Fee Description | Fee Paid | Fee Code        | Fee (\$) | Fee Code | Fee (\$) | 101      | 710      | 201 | 355 | Utility filing fee     | 710 | 106                                 | 320 | 206 | 160 | Design filing fee                 |    | 107  | 490 | 207 | 245 | Plant filing fee                      |     | 108                       | 710 | 208 | 355   | Reissue filing fee                                 |       | 114  | 150 | 214 | 75   | Provisional filing fee                                     |      | <b>SUBTOTAL (1)</b>                                    |  |     |        |     | <b>(\$ 710)</b> | <b>2. EXTRA CLAIM FEES</b><br><table border="1"> <thead> <tr> <th>Total Claims</th> <th>Extra Claims</th> <th>Fee from below</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>27</td> <td>-20** = 7</td> <td>18</td> <td>126</td> </tr> <tr> <td>3</td> <td>-3** = 0</td> <td>80</td> <td>0</td> </tr> <tr> <td>Multiple Dependent</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> |  | Total Claims | Extra Claims | Fee from below | Fee Paid | 27                                     | -20** = 7 | 18  | 126 | 3   | -3** = 0 | 80                                      | 0 | Multiple Dependent |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |     |     |     |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| Large Entity  |              | Small Entity   |          | Fee Description  | Fee Paid        |                 |          |                 |          |          |          |          |          |     |     |                        |     |                                     |     |     |     |                                   |    |  |     |     |     |                                       |     |                           |     |     |       |  |       |  |     |     |      |  |      |  |  |     |        |     |                 |   |  |              |              |                |          |  |           |     |     |     |          |   |   |                    |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |     |     |     |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| Fee Code  | Fee (\$)     | Fee Code   | Fee (\$) |  |                 |                 |          |                 |          |          |          |          |          |     |     |                        |     |                                     |     |     |     |                                   |    |  |     |     |     |                                       |     |                           |     |     |       |  |       |  |     |     |      |  |      |  |  |     |        |     |                 |   |  |              |              |                |          |  |           |     |     |     |          |   |   |                    |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |     |     |     |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 101   | 710          | 201  | 355      | Utility filing fee   | 710             |                 |          |                 |          |          |          |          |          |     |     |                        |     |                                     |     |     |     |                                   |    |  |     |     |     |                                       |     |                           |     |     |       |  |       |  |     |     |      |  |      |  |  |     |        |     |                 |   |  |              |              |                |          |  |           |     |     |     |          |   |   |                    |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |     |     |     |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 106   | 320          | 206  | 160      | Design filing fee  |                 |                 |          |                 |          |          |          |          |          |     |     |                        |     |                                     |     |     |     |                                   |    |  |     |     |     |                                       |     |                           |     |     |       |  |       |  |     |     |      |  |      |  |  |     |        |     |                 |   |  |              |              |                |          |  |           |     |     |     |          |   |   |                    |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |     |     |     |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 107   | 490          | 207  | 245      | Plant filing fee   |                 |                 |          |                 |          |          |          |          |          |     |     |                        |     |                                     |     |     |     |                                   |    |  |     |     |     |                                       |     |                           |     |     |       |  |       |  |     |     |      |  |      |  |  |     |        |     |                 |   |  |              |              |                |          |  |           |     |     |     |          |   |   |                    |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |     |     |     |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 108   | 710          | 208  | 355      | Reissue filing fee   |                 |                 |          |                 |          |          |          |          |          |     |     |                        |     |                                     |     |     |     |                                   |    |  |     |     |     |                                       |     |                           |     |     |       |  |       |  |     |     |      |  |      |  |  |     |        |     |                 |   |  |              |              |                |          |  |           |     |     |     |          |   |   |                    |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |     |     |     |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 114   | 150          | 214  | 75       | Provisional filing fee   |                 |                 |          |                 |          |          |          |          |          |     |     |                        |     |                                     |     |     |     |                                   |    |  |     |     |     |                                       |     |                           |     |     |       |  |       |  |     |     |      |  |      |  |  |     |        |     |                 |   |  |              |              |                |          |  |           |     |     |     |          |   |   |                    |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |     |     |     |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| <b>SUBTOTAL (1)</b>   |              |  |          |  | <b>(\$ 710)</b> |                 |          |                 |          |          |          |          |          |     |     |                        |     |                                     |     |     |     |                                   |    |  |     |     |     |                                       |     |                           |     |     |       |  |       |  |     |     |      |  |      |  |  |     |        |     |                 |   |  |              |              |                |          |  |           |     |     |     |          |   |   |                    |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |     |     |     |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| Total Claims  | Extra Claims | Fee from below   | Fee Paid |  |                 |                 |          |                 |          |          |          |          |          |     |     |                        |     |                                     |     |     |     |                                   |    |  |     |     |     |                                       |     |                           |     |     |       |  |       |  |     |     |      |  |      |  |  |     |        |     |                 |   |  |              |              |                |          |  |           |     |     |     |          |   |   |                    |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |     |     |     |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 27  | -20** = 7    | 18   | 126      |  |                 |                 |          |                 |          |          |          |          |          |     |     |                        |     |                                     |     |     |     |                                   |    |  |     |     |     |                                       |     |                           |     |     |       |  |       |  |     |     |      |  |      |  |  |     |        |     |                 |   |  |              |              |                |          |  |           |     |     |     |          |   |   |                    |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |     |     |     |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 3   | -3** = 0     | 80   | 0        |  |                 |                 |          |                 |          |          |          |          |          |     |     |                        |     |                                     |     |     |     |                                   |    |  |     |     |     |                                       |     |                           |     |     |       |  |       |  |     |     |      |  |      |  |  |     |        |     |                 |   |  |              |              |                |          |  |           |     |     |     |          |   |   |                    |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |     |     |     |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| Multiple Dependent  |              |  |          |  |                 |                 |          |                 |          |          |          |          |          |     |     |                        |     |                                     |     |     |     |                                   |    |  |     |     |     |                                       |     |                           |     |     |       |  |       |  |     |     |      |  |      |  |  |     |        |     |                 |   |  |              |              |                |          |  |           |     |     |     |          |   |   |                    |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |     |     |     |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| <table border="1"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Description</th> <th rowspan="2">Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr><td>103</td><td>18</td><td>203</td><td>9</td><td>Claims in excess of 20</td><td></td></tr> <tr><td>102</td><td>80</td><td>202</td><td>40</td><td>Independent claims in excess of 3</td><td></td></tr> <tr><td>104</td><td>270</td><td>204</td><td>135</td><td>Multiple dependent claim, if not paid</td><td></td></tr> <tr><td>109</td><td>80</td><td>209</td><td>40</td><td>** Reissue independent claims over original patent</td><td></td></tr> <tr><td>110</td><td>18</td><td>210</td><td>9</td><td>** Reissue claims in excess of 20 and over original patent</td><td></td></tr> <tr><td colspan="5" style="text-align: right;"><b>SUBTOTAL (2)</b></td><td><b>(\$ 126)</b></td></tr> </tbody> </table> |              | Large Entity   |          | Small Entity   |                 | Fee Description | Fee Paid | Fee Code        | Fee (\$) | Fee Code | Fee (\$) | 103      | 18       | 203 | 9   | Claims in excess of 20 |     | 102                                 | 80  | 202 | 40  | Independent claims in excess of 3 |    | 104  | 270 | 204 | 135 | Multiple dependent claim, if not paid |     | 109                       | 80  | 209 | 40    | ** Reissue independent claims over original patent |       | 110  | 18  | 210 | 9    | ** Reissue claims in excess of 20 and over original patent |      | <b>SUBTOTAL (2)</b>                                    |  |     |        |     | <b>(\$ 126)</b> | <b>Other fee (specify) _____</b><br><b>*Reduced by Basic Filing Fee Paid</b> <b>SUBTOTAL (3) (\$)</b>   |  |              |              |                |          |  |           |     |     |     |          |   |   |                    |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |     |     |     |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| Large Entity  |              | Small Entity   |          | Fee Description  | Fee Paid        |                 |          |                 |          |          |          |          |          |     |     |                        |     |                                     |     |     |     |                                   |    |  |     |     |     |                                       |     |                           |     |     |       |  |       |  |     |     |      |  |      |  |  |     |        |     |                 |   |  |              |              |                |          |  |           |     |     |     |          |   |   |                    |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |     |     |     |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| Fee Code  | Fee (\$)     | Fee Code   | Fee (\$) |  |                 |                 |          |                 |          |          |          |          |          |     |     |                        |     |                                     |     |     |     |                                   |    |  |     |     |     |                                       |     |                           |     |     |       |  |       |  |     |     |      |  |      |  |  |     |        |     |                 |   |  |              |              |                |          |  |           |     |     |     |          |   |   |                    |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |     |     |     |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 103   | 18           | 203  | 9        | Claims in excess of 20   |                 |                 |          |                 |          |          |          |          |          |     |     |                        |     |                                     |     |     |     |                                   |    |  |     |     |     |                                       |     |                           |     |     |       |  |       |  |     |     |      |  |      |  |  |     |        |     |                 |   |  |              |              |                |          |  |           |     |     |     |          |   |   |                    |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |     |     |     |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 102   | 80           | 202  | 40       | Independent claims in excess of 3  |                 |                 |          |                 |          |          |          |          |          |     |     |                        |     |                                     |     |     |     |                                   |    |  |     |     |     |                                       |     |                           |     |     |       |  |       |  |     |     |      |  |      |  |  |     |        |     |                 |   |  |              |              |                |          |  |           |     |     |     |          |   |   |                    |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |     |     |     |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 104   | 270          | 204  | 135      | Multiple dependent claim, if not paid                                      |                 |                 |          |                 |          |          |          |          |          |     |     |                        |     |                                     |     |     |     |                                   |    |  |     |     |     |                                       |     |                           |     |     |       |  |       |  |     |     |      |  |      |  |  |     |        |     |                 |   |  |              |              |                |          |  |           |     |     |     |          |   |   |                    |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |     |     |     |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 109   | 80           | 209  | 40       | ** Reissue independent claims over original patent                         |                 |                 |          |                 |          |          |          |          |          |     |     |                        |     |                                     |     |     |     |                                   |    |  |     |     |     |                                       |     |                           |     |     |       |  |       |  |     |     |      |  |      |  |  |     |        |     |                 |   |  |              |              |                |          |  |           |     |     |     |          |   |   |                    |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |     |     |     |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 110   | 18           | 210  | 9        | ** Reissue claims in excess of 20 and over original patent                 |                 |                 |          |                 |          |          |          |          |          |     |     |                        |     |                                     |     |     |     |                                   |    |  |     |     |     |                                       |     |                           |     |     |       |  |       |  |     |     |      |  |      |  |  |     |        |     |                 |   |  |              |              |                |          |  |           |     |     |     |          |   |   |                    |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |     |     |     |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| <b>SUBTOTAL (2)</b>   |              |  |          |  | <b>(\$ 126)</b> |                 |          |                 |          |          |          |          |          |     |     |                        |     |                                     |     |     |     |                                   |    |  |     |     |     |                                       |     |                           |     |     |       |  |       |  |     |     |      |  |      |  |  |     |        |     |                 |   |  |              |              |                |          |  |           |     |     |     |          |   |   |                    |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |     |     |     |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |

\*\*or number previously paid, if greater, For Reissues, see above

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| <b>SUBMITTED BY</b><br>Name (Print/Type): <b>Dale R. Cook</b><br>Firm Name/Address: _____<br>Signature: _____<br>Date: <b>July 20, 2001</b> |  | Registration No Attorney/Agent: <b>42,434</b><br><br><b>00500</b><br>PATENT TRADEMARK OFFICE |
|---|--|---|

18 July 2001

MEMORANDUM FOR RECORD

RE: Patent Application – change of address for M. Reardon

1. My current address is:

Reardon, Matthew J.  
605 Devon Drive  
Birmingham, AL 35209-4405

2. Since previous addresses for me in the patent application indicated University of Alabama, Birmingham, I would like to make it clear that neither the University of Alabama at Birmingham(UAB) nor the University of Alabama School of Medicine, nor the Workplace where I currently work are or have been involved in any direct or indirect manner in funding or supporting the work that lead to this patent application.



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Matthew J. Reardon, M.D., M.P.H.

18 JUL 2001 09:00